Appln. No.: 10/516,482 Amendment Dated July 10, 2008 Reply to Office Action of April 10, 2008

ABSTRACT

A process for the manufacture of a gas diffusion electrode includes the following steps: Applying a catalyst ink to a gas diffusion substrate; firing the catalysed gas diffusion substrate; applying a proton conducting polymer solution which comprises a proton conducting polymer and one or more solvents having the structure (A)

$$\begin{matrix} 0 & & A \\ \parallel & & \\ R^1 & \begin{matrix} C & \\ N \end{matrix} & \begin{matrix} R^2 & \end{matrix}$$

wherein R^1 , R^2 and R^3 are independently selected from H, methyl, ethyl, n-propyl and isopropyl; and drying.